

ABSTRACT

A small-sized motor is employed by a driving unit of a welding equipment wherein the inner diameter of a rotary shaft of the motor can be reduced as much as possible, and the entire length of the driving unit of a welding equipment is reduced. The driving unit of a welding equipment provided with a pressure application shaft is driven by a motor comprises a rotary shaft of the motor formed of a hollow shaft, a screw shaft fixed inside the rotary shaft, a nut being provided integrally with or substantially integrally with the pressure application shaft, said nut being screwed with a screw provided on the screw shaft, wherein the rotary shaft of the motor is substantially coaxially positioned with the screw shaft, wherein outer diameters of the nut and pressure application shaft are respectively smaller than an inner diameter of the rotary shaft to form a direct moving guide part, and wherein the direct moving guide part is movable on an inner periphery surface of the rotary shaft and a rotary force of the rotary shaft of the motor is converted into a reciprocating motion.